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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=4; day=21; hr=11; min=27; sec=3; ms=219;]

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Application No: 10803195 Version No: 3.0

Input Set:**Output Set:**

Started: 2008-04-04 17:19:39.376
Finished: 2008-04-04 17:19:42.339
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 963 ms
Total Warnings: 120
Total Errors: 1
No. of SeqIDs Defined: 120
Actual SeqID Count: 120

Error code	Error Description
E 287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <141>
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)
W 402	Undefined organism found in <213> in SEQ ID (9)
W 402	Undefined organism found in <213> in SEQ ID (10)
W 402	Undefined organism found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
W 402	Undefined organism found in <213> in SEQ ID (13)
W 402	Undefined organism found in <213> in SEQ ID (14)
W 402	Undefined organism found in <213> in SEQ ID (15)
W 402	Undefined organism found in <213> in SEQ ID (16)
W 402	Undefined organism found in <213> in SEQ ID (17)
W 402	Undefined organism found in <213> in SEQ ID (18)
W 402	Undefined organism found in <213> in SEQ ID (19)

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Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (20) This error has occurred more than 20 times, will not be displayed

<110> Feldmann, Richard J.

<120> Symmetry relationships between pairs of Connectrons

<130> FELD3002CIP2

<140> 10803195

<141> 2004-03-18

<160> 120

<170> Proprietary

<210> 1

<211> 182

<212> DNA

<213> Escherichia coli K-12 MG1655 complete genome

<220>

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gtatattggg	caagacatgt	cttttttagga	aagtactgcc	gaattagccc	atttgtgttc	180
tc						182

<210> 2

<211> 182

<212> DNA

<213> Escherichia coli K-12 MG1655 complete genome

<220>

<222> (279155)...(279336)

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gtatattggg	caagacatgt	cttttttagga	aagtactgcc	gaattagccc	atttgtgttc	180
tc						182

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<211> 171

<212> DNA

<213> Escherichia coli K-12 MG1655 complete genome

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ttgggcaaga  catgtctttt  taggaaagta  ctgccgaatt  agcccatattg  t               171

<210>              4

<211>            171
<212>      DNA
<213>      Escherichia coli K-12 MG1655 complete genome

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ttgggcaaga  catgtctttt  taggaaagta  ctgccgaatt  agcccatattg  t               171

<210>              5

<211>            67
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<213>      Sulfolobus tokodaii complete genome

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tacatga                                67

<210>              6

<211>            67
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<213>      Sulfolobus tokodaii complete genome

<220>
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<210> 7

<211> 85

<212> DNA

<213> Sulfolobus tokodaii complete genome

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aaggaggatt	tctcccttga	ataaaa				85

<210> 8

<211> 85

<212> DNA

<213> Sulfolobus tokodaii complete genome

<220>

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aaggaggatt	tctcccttga	ataaaa				85

<210> 9

<211> 117

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>

<222> (975950)...(976066)

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ctaaattagt	ggaagctgaa	acgcaaggat	tgataatgta	ataggatcaa	tgaatat	117

<210> 10

<211> 117

<212> DNA

<213> Saccharomyces cerevisiae complete genome

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<210>      11

<211>      117
<212>      DNA
<213>      Saccharomyces cerevisiae complete genome

<220>
<222>      (975950)...(976066)
<223>      Chromosome =   15  Contig =   15  Strand = pos  CtronObjNum =  28455

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<210>      12

<211>      117
<212>      DNA
<213>      Saccharomyces cerevisiae complete genome

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ctaaattagt  ggaagctgaa  acgcaaggat  tgataatgta  ataggatcaa  tgaatat      117

<210>      13

<211>      68
<212>      DNA
<213>      Caenorhabditis elegans complete genome

<220>
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catgtcga      68

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<210>          14

<211>          68
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<213>          Caenorhabditis elegans complete genome

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gggaattgct  tcgtcaaagt  atcgacggag  ggcttttggc  catctgcaag  gataaactcg          60
catgtcga                                     68

<210>          15

<211>          68
<212>          DNA
<213>          Caenorhabditis elegans complete genome

<220>
<222>          (221180)...(221247)
<223>          Chromosome = 1  Contig = 1  Strand = neg  CtronObjNum = 380

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gagctcgcaa  caccggccga  gcagcgggaa  ttgcttcgct  aaatgatcga  cggaggggctt          60
ttggccat                                     68

<210>          16

<211>          68
<212>          DNA
<213>          Caenorhabditis elegans complete genome

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ttggccat                                     68

<210>          17

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<212>          DNA
<213>          Homo sapiens complete genome

<220>
<222>          (16381)...(16438)

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<210>          18

<211>          58
<212>          DNA
<213>          Homo sapiens complete genome

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<210>          19

<211>          58
<212>          DNA
<213>          Homo sapiens complete genome

<220>
<222>          (16381)...(16438)
<223>          Chromosome =    4  Contig =    1  Strand = pos  CtronObjNum =    1331

<400>          19
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<210>          20

<211>          58
<212>          DNA
<213>          Homo sapiens complete genome

<220>
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<223>          Chromosome =    4  Contig =    1  Strand = pos  CtronObjNum =    1559

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ggtgagtacc tttctatgaa ggtgataagg atccactgag tcttccatat aaagatca          58

<210>          21

<211>          94
<212>          DNA
<213>          Arabidopsis thaliana complete genome

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<220>
<222>      (21590870)...(21590960)
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taattatggc caaatccaag ttctagagtt ttct      94

<210>      22

<211>      94
<212>      DNA
<213>      Arabidopsis thaliana complete genome

<220>
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taattatggc caaatccaag ttctagagtt ttct      94

<210>      23

<211>      79
<212>      DNA
<213>      Arabidopsis thaliana complete genome

<220>
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<223>      Chromosome =   5   Contig =   1   Strand = neg   CtronObjNum =   29822

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taattatggc caaatccaa      79

<210>      24

<211>      79
<212>      DNA
<213>      Arabidopsis thaliana complete genome

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<222>      (3785281)...(3785359)
<223>      Chromosome =   1   Contig =   1   Strand = pos   CtronObjNum =   7985

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taattatggc caaatccaa      79

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<210> 25
 <211> 27
 <212> DNA
 <213> Escherichia coli K-12 MG1655 complete genome
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 <210> 26
 <211> 27
 <212> DNA
 <213> Escherichia coli K-12 MG1655 complete genome
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 <222> (4242757)...(4242783)
 <223> Chromosome = 1 Contig = 1 Strand = neg CtronObjNum = 6955
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 <210> 27
 <211> 35
 <212> DNA
 <213> Escherichia coli K-12 MG1655 complete genome
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 <222> (4454810)...(4454844)
 <223> Chromosome = 1 Contig = 1 Strand = neg CtronObjNum = 7316
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 <211> 35
 <212> DNA
 <213> Escherichia coli K-12 MG1655 complete genome
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 <223> Chromosome = 1 Contig = 1 Strand = neg CtronObjNum = 6937

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<210> 29

<211> 20
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<211> 20
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<211> 22
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<210> 32

<211> 22
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<220>

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<210>          33

<211>          59
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<210>          34

<211>          59
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<210>          35

<211>          60
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<211>          60
<212>          DNA

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<213>      Sulfolobus tokodaii complete genome

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<212>      DNA
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aatagtttta agctaagatt aaaaacttta cccgcctta aaaggcgagg cttgccccgc      180
gttttgtca      189

<210>      38

<211>      189
<212>      DNA
<213>      Sulfolobus tokodaii complete genome

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aatagtttta agctaagatt aaaaacttta cccgcctta aaaggcgagg cttgccccgc      180
gttttgtca      189

<210>      39

<211>      36
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<211> 36

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